

## Tetra Tech, Inc.

4213 State Street, Suite 100 Santa Barbara, CA 93110-2847 VOICE (805) 681-3100 FAX (805) 681-3108 Project: Vandenberg Air Force Base IRP

Log of Well No. 35-MW-6

Location: OU4, Site 35, approx. 100 ft southwest of

Building 1930.

Date Started: 2/17/98 Completed: 2/17/98 Logged By: R. J. Elliot Checked By: K. McNamara, R.G. KM # 6678 Drilled By: B. Carpenter, S/G Testing

Drilling Equipment: CME 75, 8-inch & 10-inch HSA

Sampling Equipment: 2-inch I.D. Split Spoon

GS Elev.: 46 ft bgs 421.3 ft above MSL TD:

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4" PVC Bank Casing:	from	0 ft bgs to	33.2 ft bgs
0.01" Screened Casing:	from	33.2 ft bgs to	43.2 ft bgs
Bentonite/Cement Grout:	from	0 ft bgs to	28.5 ft bgs
Bentonite Transitional Seal:	from	28.5 ft bgs to	30.5 ft bgs
Sand Filter Pack:	from	30.5 ft bgs to	45 ft bgs

TOC Elev.: 424.30 ft above MSI

	Liev	421.3 It above MSL TD: 46 It bgs	][	100	Elev.:	424.3	30 ft at	ove MS	<u>L</u>	_	
Depth (ft bgs)		MATERIAL DESCRIPTION		Material Symbol	Material Type	Well Constructi	Sample	Blow Counts per 6"	Percent Recovery	PID (ppm) Amb/Smp	REMARKS
	-   {t	silty sand, brown (10YR 4/3), fine grained, poorly graded, subrounded, medium dense, slightly moist to moist, some silt, little roots/organic material, trace clay, Orcutt Formation.	e		SM					0/0	Start drilling 1010. Log from grab soil sample at surface.
5	1	silty sand, yellowish brown (10YR 5/4), fine grained, poorly graded, subrounded, medium dense, moist, some silt, some rust colored staining, Orcutt Formatio						3 5 6	100	0/0	
10	p	ilty sand, light yellowish brown (2.5Y 5/3), fine grain poorly graded, subrounded, dense, wet, little silt, trace ust colored staining, Orcutt Formation.	ned,					7 14 19	75	0/0	
15	—  p	lty sand, light brownish gray (2.5Y 6/2), fine grained oorly graded, subrounded, very dense, slightly moise ttle silt, trace clay, slightly indurated, Orcutt Formati	st,		¥ı <b>▼</b> ıı			19 50/6'	100	0/0	on: 3/18/98 Page 1 of 3
20   15 ft	bes	▼ Groundwater depth during drilling 14.1 ft l	bas 7			Ivuator dan	th offer	12	arro1 a		an. 2/19/09
	_	ber: A234-06		-	FOUNG ECH, I	=	ın artei	well de	evelop	ment	on: 3/18/98  Page 1 of 3



TC Number: A234-06

Tetra Tech, Inc.
4213 State Street, Suite 100
Santa Barbara, CA 93110-2847 VOICE (805) 681-3100 FAX (805) 681-3108

Project: Vandenberg Air Force Base IRP Log of Well No. 35-MW-6

Location: OU4, Site 35, approx. 100 ft southwest of Building 1930.

MATERIAL DESCRIPTION  Silty sand, light brownish gray (2.5Y 6/2) fine grained, poorly graded, subrounded, very dense, moist, little silt, few clay, Orcult Formation.  25 — silty sand, olive yellow (2.5Y 6/6) fine grained, poorly graded, subrounded, medium dense, moist, little silt, few clay, Orcult Formation.  30 — same as above except dense.  31 — silty sand, light yellowish brown (2.5Y 6/4), fine grained poorly graded, subrounded, dense, moist to very moist, little silt, fittle silt, trace clay, Orcult Formation.  40 — same as above.  31 — Silty sand, light yellowish brown (2.5Y 6/4), fine grained poorly graded, subrounded, dense, moist to very moist, little silt, trace clay, Orcult Formation.  32 — Silty sand, light yellowish brown (2.5Y 6/4), fine grained poorly graded, subrounded, dense, moist to very moist, little silt, trace clay, Orcult Formation.  33 — Silty sand, light yellowish brown (2.5Y 6/4), fine grained poorly graded, subrounded, dense, moist to very moist, little silt, trace clay, Orcult Formation.  34 — Silty sand, light yellowish brown (2.5Y 6/4), fine grained poorly graded, subrounded, dense, moist to very moist, little silt, trace clay, Orcult Formation.  35 — Silty sand, light yellowish brown (2.5Y 6/4), fine grained poorly graded, subrounded, dense, moist to very moist, little silt, trace clay, Orcult Formation.  36 — Silty sand, light yellowish brown (2.5Y 6/4), fine grained poorly graded, subrounded, dense, moist to very moist, little silt, fine s		Dunding 1900.	
silty sand, light brownish gray (2.5Y 6/2) fine grained, poorly graded, subrounded, very dense, moist, little silt, few clay, Orcutt Formation.  Silty sand, olive yellow (2.5Y 6/6) fine grained, poorly graded, subrounded, medium dense, moist, little silt, few clay, Orcutt Formation.  same as above except dense.  silty sand, light yellowish brown (2.5Y 6/4), fine grained poorly graded, subrounded, dense, moist to very moist, little silt, trace clay, Orcutt Formation.  10 0/0 11 100 0/0 12 11 100 0/0 13 1 100 0/0 15 12 15 18 100 0/0 16 15 18 100 0/0 17 11 100 0/0 18 11 100 0/0 18 11 100 0/0 19 11 11 100 0/0	MATERIAL DESCRIPTION	Material Symbol Lype Counts Percent Recovery Amb/Smp Amb/Smp	.RKS
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35 — silty sand, light yellowish brown (2.5Y 6/4), fine grained, poorly graded, subrounded, dense, moist to very moist, little silt, trace clay, Orcutt Formation.  10 10 0/0 15 18	graded, subrounded, medium dense, moist, lit	oboriy	
poorly graded, subrounded, dense, moist to very moist, little silt, trace clay, Orcutt Formation.  15 18 100 0/0 111 180 0/0	30 — same as above except dense.		
Iittle silt, trace clay, Orcutt Formation.  - same as above.	poorly graded, subrounded, dense, moist to ver	1 1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
same as above.	little silt, trace clay, Orcutt Formation.  —	1.1   1   1   1   1   1   1   1   1   1	
	40 — same as above.		

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Log of Well No. 35-MW-6

Location: OU4, Site 35, approx. 100 ft southwest of

Building 1930. Well Construction Material Type Depth (ft bgs) Material Symbol Percent Recovery РІД (ррм) Ать/Ѕтр Sample Blow Counts per 6" MATERIAL DESCRIPTION REMARKS 45 shale, Sisquoc Formation. 23 100 Shale 0/0 42 End drilling 1200. Drilled 8-inch hole to 46 ft. Reamed with 10-inch auger to 44 ft. Bottom 1 ft of hole filled with cuttings. Heaving sands. Construct 4-inch 50 well using 0.01-inch Veewire screen. Added approx. 50 gals of potable water during well construction. 55 60 65 70

TC Number: A234-06

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